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Inventor: Rosen et al.

Title: Antibodies to Human Vascular Endothelial Growth Factor 2 (As Amended)

Replacement Sheet

1/14

1 GTCCTCCACCATGCACTGGCTTCTGGCTGTGGCTGTTCTCTGGCTCGCCGCTG
CAGGAAGGTGGTAGCGAACCCGAAGAAAGAGACACCCGACAAGAGACGGAGGGAC
M H S L G F F S V A C S L L A A A -

61 CGCTGCTCCGGGTCTGGCGAGGGCGCCGCCGCCGCCCTTCGAGTCCGGACTCTG
GGCACGGGCCAGGAGCGGCTCCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
L L P G P R E A P A A A F E S G L D -

121 ACCTCTGGACGG
TGAGAGGCCTGGCCCTGGGCTGGGGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGG
L S D A E P D A G E A T A Y A S K D L E -

181 AGGAGCAGTTACGGTCTGTGTCCAGTGTAGATGAACTCATGACTGTACTCTACCCAGAAT
TCTCTGGTCAATGGCCAGACACAGGGTCACATCTACTTGAGTACTGACATGAGATGGGTCTTA
E Q L R S V S S V D E L M T V L Y P E Y -

241 ATGGAAAATGTAACAAGTGTCAAGCTAAGGAAAGGGGGCTGGCAACATAACAGAGAACAGG
TAACCTTTACATGTTCACAGTCGATTCCGACCGGTTGTATTGTCTCTGTCC
W K M Y K C Q L R K G W Q H N R E Q A -

CCAACCTCAACTCAAGGACAGAACAGACTATAAAATTGCTGCAGCACATTATAACAG

Fig. 1A



2/14

301 - +-----+-----+-----+-----+-----+-----+
GGTGGAGTTGAGTCCCTGTCTGTATAATTAAACGACGTGGTAATATTATGTC
N L N S R T E E T I K F A A H A Y N T E -
AGATCTGAAAAGTATTGATAATGAGTGGAGAAGACTCAATGCCATGGCATGGGAGGGTGT
361 - +-----+-----+-----+-----+-----+-----+
I L K S I D N E W R K T Q C M P R E V C -
GTATAGATGTGGGAAGGGAGTTGGAGTCGGACAAACACTTCTTAAACCTCCATGTC
421 - +-----+-----+-----+-----+-----+-----+
CATATCTACACCCCTCCTCAAACCTCAGCGCTGTTGTGGAAAGAAATTGGAGGTACAC
I D V G K E F G V A T N T F F K P P C V -
TGTCCGCTACAGATGTGGGTTGCTGCAATAGTGAGGGCTGCAGTGCATGAAACACCA
481 - +-----+-----+-----+-----+-----+-----+
ACAGGGCAGATGTCTACACCCCCAACGACGTTATCACACTCCCCGACGTACCTGTGGT
S V Y R C G C C N S E G L Q C M N T S -
GCACGGAGCTACCTTCAGCAAGACGTTATTGAAATTACAGTGCGCTCTCAAGGGCCA
541 - +-----+-----+-----+-----+-----+-----+
CGTGCTCGATGGAGTCGTTCTGCAATAACCTTAAATGTCACGGAGAGAGGTCCGGGT
T S Y L S K T L F E I T V P L S Q G P K -
ACCAGTAACAAATCAGTTTGCCTAACACTTCCCTGCCGATGCTAAACTGGATG
601 - +-----+-----+-----+-----+-----+-----+
TGGGTCATTGTTAGTCAAAACGGTTAGTGTGAAGGACGGCTACGATTTGACCTAC
P V T I S F A N H T S C R C M S K L D V -

Fig. 1B



3/14

TTTACAGACAAGTCATTCCATTAGACCTTCCCTGCCAACACTACCAACAGTGTC
661 ---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
AAATGTCCTGTTCAAGTAAGCTAATACTGCAGGGACGGTCGTTGTGATGGTGTACAG
Y R Q V H S I I R R S L P A T L P Q C Q -

AGGCAGGGAAACAAGACCTGGCCCACCAAATTACATGTGGAATAATCACATCTGCAGATGCC
721 ---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
TCCGTCGCTTGTCTGGACGGGTTGGTAAATGTACACCTTATTAGTTAGACCTACGG
A A N K T C P T N Y M W N N H I C R C L -

TGGCTCAGGAAGATTATGTTTCCTCGGATGCTGGAGATGACTCAACAGATGGATTCC
781 ---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
ACCGAGTCCTCTAAATACAAAAGGAGCCCTACGACCTCTACTGAGTTGTCCTACCTAACGG
A Q E D F M F S S D A G D D S T D G F H -

ATGACATCTGTGGACCAAAACAAGGAGCTGGATGAAGGAGACCTGTCAGTGTCTGCAGAG
841 ---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
TACTGTAGACACCTGGTTGTTCCCGACCTTACTTCTGGACAGTCACACAGACGCTCTC
D I C G P N K E L D E E T C Q C V C R A -

CGGGGCTTGGCCCTGCCAGCTGTGGACCCACAAAGAACTAGACAGAAACTCATGCCAGT
901 ---+---+---+---+---+---+---+---+---+---+---+---+---+---+
GCCCGGAGGGGACGGTCCGACACCTGGGGTTCTTGATCTGTCTTGAGTACGGTCA
G L R P A S C G P H K E L D R N S C Q C -

GTCGTCGTAAACCAACTCTTCCCCAGCCAAATGTCGGGCCAACCGAGAAATTGATGAAA
961 ---+---+---+---+---+---+---+---+---+---+---+---+---+---+
CACAGACATTGGTTGAGAAGGGGTGGTTACACCCGGTGGCTCTAACTACTTT

Fig.1C



V C K N K L F P S Q . C G A N R E F D E N -

ACACATGCCAGTGTGTATGTAAGAACCTGCCAGAAATCAACCCCTAATTCCCTGGAA

1021 -----+-----+-----+-----+-----+-----+-----+-----+ 1080

TGTGTACCGGTACACACATACATTTCCTTGACGGGGCTTGTGGGGATTAGTAGGACCTT
T C Q C V C K R T C P R N Q P L N P G K -

AATGTGCCCTGTGAATGTACAGAAAGTCCACAGAAANTGCTTGTAAAGAAAGAAGTTCC

1081 -----+-----+-----+-----+-----+-----+-----+-----+ 1140

TTACACGGCACACTACATGTCTTCAGGTGTCTTACGAACAAATTTCCTTCTTCAGG
C A C E C T E S P Q K C L L K G K K F H -

ACCAACAAACATGCCAGCTGTACAGACGGCCATGTACGAACCGCCAGAAAGGCTTGTGAGC

1141 -----+-----+-----+-----+-----+-----+-----+-----+ 1200

TGGTGGTTGTACGTCGACAATGTCTGCCGGTACATGCTTGGGGTCTTCGGAACACTCG
H Q T C S C Y R R P C T N R Q K A C E P -

CAGGATTTCATATAAGTGAAGAACGTGTGTCGTTGTGTCCCTCATATTGGCAAAGACCAC

1201 -----+-----+-----+-----+-----+-----+-----+-----+ 1260

GTCCTAAAGTATATCACTTCACACAGCAACACAGGAAGTATAACCGTTTCTGGTG
G F S Y S E E V C R C V P S Y W Q R P Q -

i
AAATGAGCTAAGATTGTACTGTTCCAGTTCATCGATTCTPATTATGGAAAACGTGTGT

Fig. 1D



5/14

1261	TTTACTCGATTCTAACATGACAAAGGTCAAGTAGCTAAAAGATAATAACCTTTGACACA M S *	1320
1321	TGCCACAGTAGAACACTGTCTGTGAACAGAGAGACCCTTGTGGTCCATGCTAACAAAGACA ACGGTGTCACTTGCAGAACACTTGTCTCTGGAAACACCCAGGTACGATGTCTCTG AAAGTCTGCTCTTCTGAAACCATTGTTGAGTAACCTTACAGAAATGGACTGGAGCTCATCTG 1381 TTTCAGACAGAAAGGACTTGGTACACCTATTGAAATGTCTTACCTGACCTCGAGTAGAC	1380
1441	CATAAGGGCCTCTCTAAAGAAGACTGGTTCTGCCAATGACCAAAACAGCCAAAGATTTCCTC GTTTTCCGGAGAACATTTCTGACCAAAAGACGGTTACTGGTTGTCGGTTCTAAAGGAG	1500
1501	TTCGTGATTCTTTAAAGAATGACATATAATTATTTCCACTAAAAAATATGTCTCTGC AACACTAAAGAAATTCTTACTGATAATTAAAGGTGATTTTATAACAAAGACCG	1560
1561	ATTCAATTATGCAACAAATGGTAAACTCAACTGTGATCAAATTTTATATCAT TAAGTAATAATCGTGTGTTAACATTGAGTGACACTAGTTATAATAAGTA	1620
1621	GCAAAATATGTTAAAATGAAAATGTATTATGTTAAAAA CGTTTTACAAATTATTACTTTAACATAATAATTTTTTTTTTTT	1674

Fig. 1E